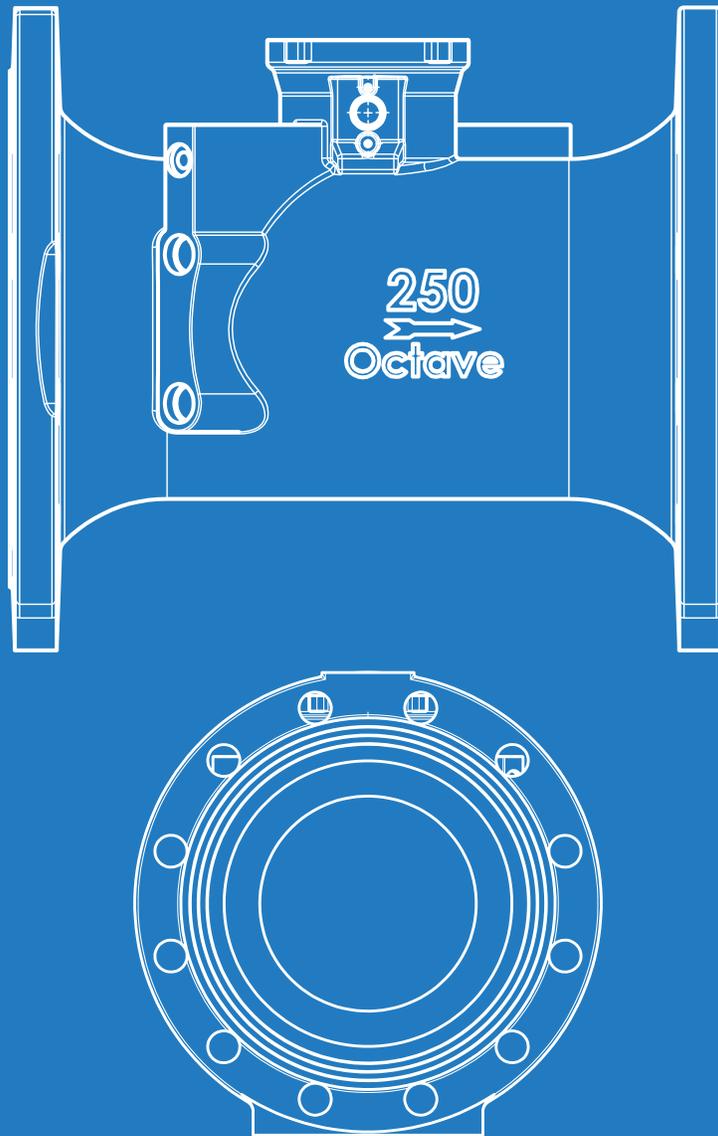


Octave Water Meter – Battery Replacement



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/ Introduction

This guide will provide step by step instructions for Octave water meter battery replacement. It is best practice to replace the battery on a day without rainfall and minimal wind.

/ Replacement Battery SKU

70220-000044 - ARAD OCTAVE BATTERY REPLACEMENT

/ Tools Required



SCREWDRIVER – #1 SLOTTED



POCKET / UTILITY KNIFE



SCREWDRIVER – #1 PHILLIPS



DESICCANT PACK (MIN 2"X2")



ALLEN KEY - 3MM

Instructions



Step 1

Open meter cover.



Step 2

Use **#1 slotted screwdriver** to remove the protective rubber seal.



Step 3

Use **3M Allen Key** to loosen and remove the four faceplate retention bolts.



Step 4

Remove the decorative cover and place to the side along with the retention bolts.



Step 5

Clean the glass cover and meter body thoroughly and to wipe the surface area dry before proceeding.



Step 6

Use a sharp [utility](#) or [pocketknife](#) to break the vacuum seal of the register – listen for the release of the vacuum as an indicator that the seal has broken.



CAUTION

Do not use a screwdriver or similar tools to break the seal, the glass cover will break if not done carefully.



Step 7

Once the vacuum seal has broken, pry up the glass cover with your [utility](#) or [pocketknife](#). Place the glass cover and rubber gasket to the side.



Step 8

Wipe away dust and remove any buildup with a dry cloth rag.



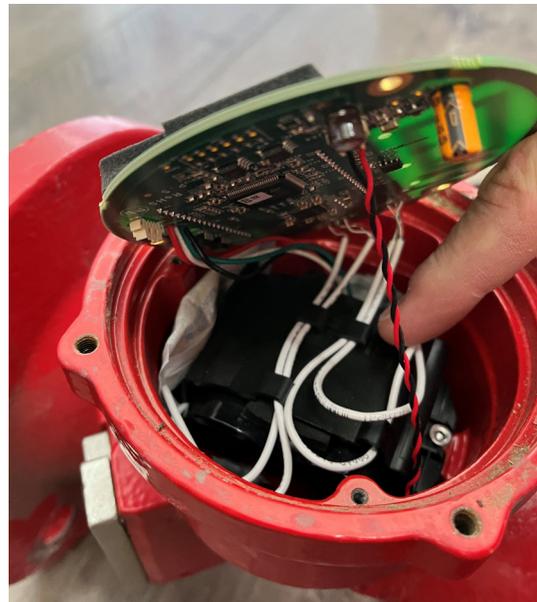
Step 9

Remove the 3 PCB retaining screws and set to the side.



Step 10

You will now be able to raise the PCB board to gain access to the battery cover.



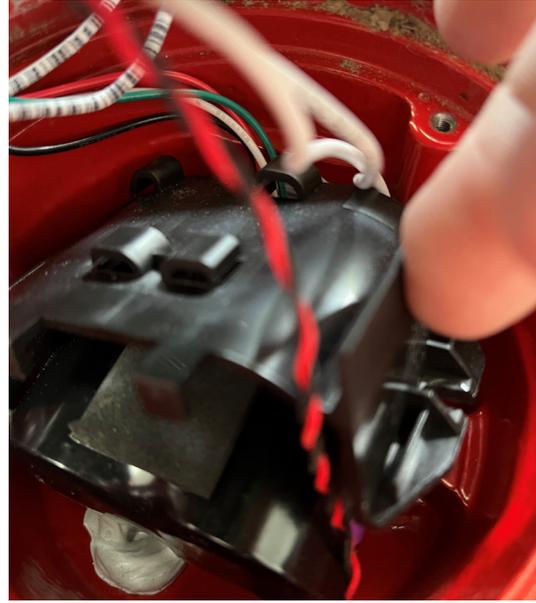
Step 11

Carefully remove the wires from the wire retention clips.



Step 12

Use [3M Allen Key](#) to loosen and remove the battery cover bolts.



Step 13

Remove the battery cover and set aside.



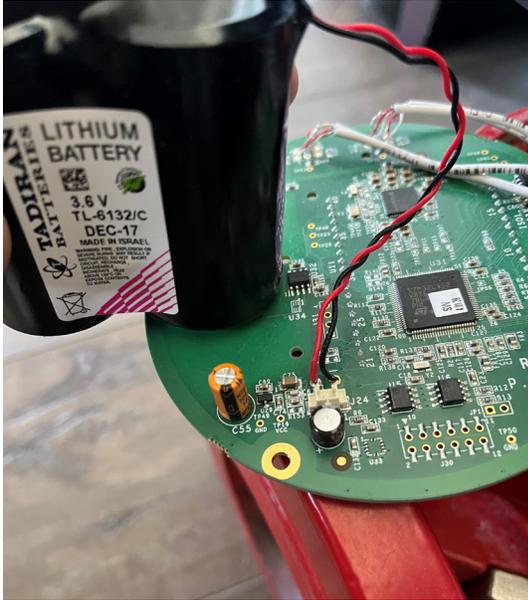
Step 14

Pry the battery from the retention adhesive.



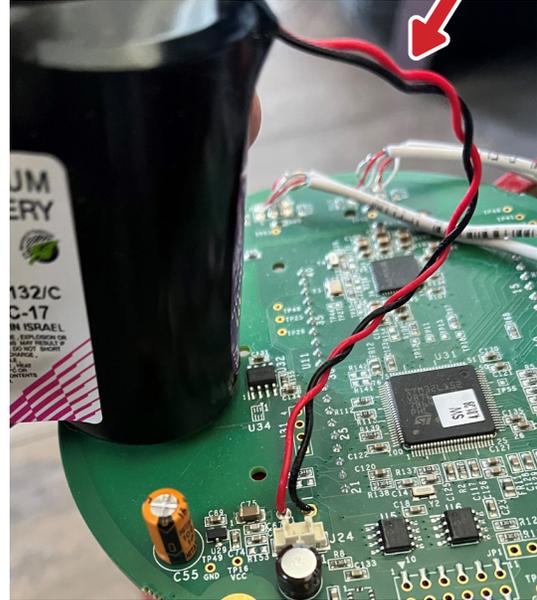
Step 15

Carefully turn over the PCB. The battery wires will either be connected by 2P DIN connector or by solder.



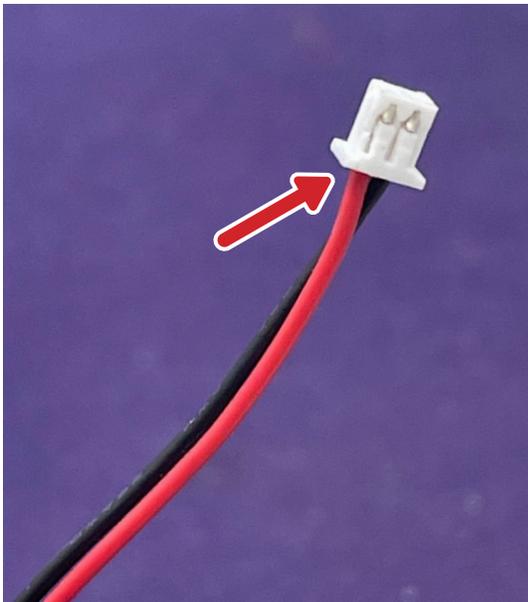
2P DIN Connector

Disconnect the original battery from the PCB. Re-connect the new battery and begin to re-assemble the meter.



Solder Connection

Cut the wires $\frac{1}{2}$ " from the original battery.



Solder Connection (cont.)

Cut off the 2P DIN connector from the new battery pack.

Strip off $\frac{1}{4}$ " of the wire insulation jacket. Splice the RED to the RED and the BLACK to the BLACK with a waterproof wire connector (i.e., UR IDC connector)



Begin to re-assemble the water meter.

Note: Reference steps 4-2 for re-assembly

Keeping things dry is especially important



Desiccant Pack

Before resetting the PCB with the PCB retention bolts, insert **Desiccant Pack** to the chamber.



Sealant

When re-installing the glass cover, the original rubber gasket will not be effective. In its place, apply a ¼" bead of clear sealant (caulking) to seal the joint between the water meter body and the glass cover. Be sure to set the glass in the clear sealant before the sealant cures to create a watertight enclosure.

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